

**From:** Haubrich, Joel M <joel.haubrich@wecenergygroup.com>  
**Sent:** Tuesday, January 22, 2019 8:52 AM  
**To:** LaRowe, Christopher W  
**Cc:** Haubrich, Joel M  
**Subject:** WEC UPDATE 1-22-2019  
**Attachments:** image007.emz



# UPDATE

## **Milwaukee Journal Sentinel: We Energies donates \$100,000 to Milwaukee warming centers, leading to more time open**

Jan. 18, 2019

Two Milwaukee nonprofits can now shelter more of the city's homeless after a \$100,000 donation from We Energies, officials announced Friday.

Various warming centers, including Repairers of the Breach and St. Benedict the Moor, through Capuchin Community Services, will use the funds to expand their services, said James West, executive director of Repairers of the Breach.

Mayor Tom Barrett, who attended the conference along with representatives from United Way of Greater Milwaukee & Waukesha County, We Energies and Divine Intervention, said the donation is part of the City's Continuum of Care campaign to end homelessness.

"We want people to come in from the cold," Barrett said, encouraging those without homes to dial 211, which helps connect individuals to their nearest warming shelters.

"We've seen the stories of people living in tents, under bridges," he said. "No one in Milwaukee should spend a night in the cold this winter."

Barrett also praised We Energies for its donation and emphasized the importance of partnerships in addressing homelessness.

"We're doing everything as a community to make this a reality," he said.

Phyllis Eckles, the low-income coordinator for We Energies, urged people with housing to call the company if they struggle to pay their utilities, so they can receive public assistance and potentially avoid homelessness.

For those without shelter, she noted that connecting individuals with safe warming rooms is important, due to the low temperatures expected over the next few days and overall bitterness of winter.

"It couldn't have come at a better time," she said about the company's donation.

## **WEC Energy Group Appoints New CEO**

The board of directors of WEC Energy Group announce senior leadership change for the next chapter of the company's growth, development and service to customers.

The following appointments will be effective Feb. 1:

- Gale Klappa, currently chairman and chief executive officer, will serve as executive chairman.
- Kevin Fletcher, currently president of WEC Energy Group, will be promoted to president and chief executive officer and will serve on the board of directors.



**From:** LaRowe, Christopher W <christopher.larowe@wecenergygroup.com>  
**Sent:** Wednesday, June 19, 2019 11:44 AM  
**To:** Huffman, Garrett  
**Subject:** Solar Now in JS

## **A first-of-its-kind project in New Berlin is turning school roofs into solar energy collectors**

Bob Dohr, Milwaukee Journal Sentinel Published 11:15 a.m. CT June 19, 2019

The School District of New Berlin is getting into the solar energy game. And not in a small way. The district is partnering with We Energies and a local solar company to install more than 8,000 solar panels at three schools this summer. It's the first project under We Energies' new Solar Now program, an initiative to create 35 megawatts of clean, renewable energy that will benefit all the utility's customers. The pilot program was approved by the Public Service Commission of Wisconsin. The New Berlin project will produce more than 2 MW of power. It will involve installing roof-mounted solar panels at three schools: Ronald Reagan Elementary, Eisenhower Middle/High School and West High School. Ronald Reagan will also have a ground-mounted array on vacant property south of the school. Installation has already begun at Eisenhower. On Tuesday, June 18, crews from Current Electric Co. in Brookfield were working to install panels on one section of the school's roof. When complete, the topside of Eisenhower will boast more than 1,800 modules.

### **How it works**

Under the Solar Now program, We Energies will pay the New Berlin School District to host the solar panels. In return, the utility will pay the district an estimated \$94,500 a year for the next 20 years. The district will have some costs down the road, said District Communications Coordinator David Cotey. For example, when roofs need to be repaired or replaced due to wear and tear or life expectancy, there will be a cost to decommission, disassemble and reassemble the roof-mounted solar components. Those projected costs bring the estimated total revenue over 20 years to about \$1.5 million, Cotey said. The energy produced by the district's solar panels will go to the grid.

### **'Huge win'**

Rep. Mike Kuglitsch (R-New Berlin) said Solar Now is a way for commercial, industrial, government and nonprofit customers to host solar arrays and solar panels and get paid for it. "To me that was a huge win," Kuglitsch said in a We Energies video announcing the project. "And I want to commend both the school district and We Energies for working together. I guess you could call me the matchmaker." While the program is aimed at large commercial and government host customers, all We Energies customers will

benefit, according to the utility. The solar energy that is produced will help reduce fuel costs to all customers while maintaining fuel diversity and reducing carbon emissions. An additional benefit of the project, Kuglitsch said, is the learning opportunity it'll provide for students. He called it a "hidden gem."

## 'Very large project'

The energy generated by the New Berlin solar system will be enough to power about 400 homes, SunVest Solar CEO Matt Neumann said. "It will be from our knowledge the largest solar system installed on a school district in the state," he said. "It's a very large project." And a unique one, involving private industry, a utility and a public school district. "I think it's a neat, three-way partnership, and I think it's something that we're likely to see for years to come," Neumann said. Work on the rooftop systems should be done by the end of August with the ground array completed sometime in September, Neumann said.

### **Christopher W. LaRowe**

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## Huffman, Garrett

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**From:** LaRowe, Christopher W <christopher.larowe@wecenergygroup.com>  
**Sent:** Thursday, June 13, 2019 1:44 PM  
**To:** Huffman, Garrett  
**Subject:** We Energies, School District of New Berlin unveil solar energy program

We Energies is turning sunshine into solar power on numerous School District of New Berlin (SDNB) buildings and vacant land. This partnership with SDNB is the first project as part of We Energies' innovative Solar Now program. Construction kicked off this week in New Berlin, with other solar projects set to begin in the coming months. The Solar Now program will create 35 megawatts (MW) of clean, renewable energy that will benefit **all** We Energies customers. "The Solar Now program is an important part of our generation reshaping for a clean energy future," said Kevin Fletcher — president and CEO of WEC Energy Group. "We are committed to cutting greenhouse gases and investing in cost-effective, zero-carbon, renewable generation." Fletcher formally unveiled the program at New Berlin Eisenhower Middle/High School. He was joined by Representative Mike Kuglitsch (R – New Berlin), Senator David Craig (R – Big Bend), Superintendent Joe Garza of the School District of New Berlin and Matt Neumann Founder CEO of SunVest, the Wisconsin based company We Energies contracted with to construct Solar Now.

Nearly 8,000 solar panels are going up this summer at New Berlin Eisenhower Middle/High School, New Berlin West Middle/High School and Ronald Reagan Elementary. The panels will generate more than 2 MW of clean, renewable energy and provide a unique educational opportunity for students. "We are proud to be the first participant in this innovative renewable energy program," said Superintendent Garza. "Along with playing a role in the advancement of renewable energy, our students will have the unique opportunity to gain 'real life' knowledge about the production of solar energy for years to come." Through the Solar Now program, We Energies will pay commercial, industrial, government and nonprofit customers like the School District of New Berlin to host solar panels on their roofs and property.

While the program is aimed at large commercial and government host customers, all We Energies customers will benefit. The solar energy that is produced will help reduce fuel costs to all customers while also maintaining fuel diversity and reducing carbon emissions. "I applaud We Energies for this innovative program and community partnership. I'm proud my district will be home to the first panels and look forward to seeing Solar Now shine in other communities across the state," said Rep. Kuglitsch. Solar Now is a pilot program approved by the Public Service Commission of Wisconsin. Despite only being a few months old, the program is already extremely popular. We Energies has received interest from customers from across the state. Outside of the benefits for customers, the Solar Now pilot will provide We Energies with valuable insight into operating distributed solar generation; experience that can be used in the future on other projects. Solar Now is part of We Energies and WEC Energy Group's plan to create a clean energy future. Working with industry partners, environmental groups and state leaders, WEC Energy Group has set a goal to reduce carbon dioxide (CO2) emissions 80% by 2050.

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**Huffman, Garrett**

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**From:** LaRowe, Christopher W <christopher.larowe@wecenergygroup.com>  
**Sent:** Wednesday, June 12, 2019 3:31 PM  
**To:** Huffman, Garrett  
**Subject:** We Energies launches largest approved solar energy program in Wisconsin

<http://weenergies.blogspot.com/2019/01/we-energies-launches-largest-approved.html>

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## Huffman, Garrett

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**From:** LaRowe, Christopher W <christopher.larowe@wecenergygroup.com>  
**Sent:** Wednesday, June 12, 2019 2:37 PM  
**To:** Huffman, Garrett  
**Subject:** FW: INVITE: Solar Now Ribbon Cutting  
**Attachments:** Solar Now Unveiling 6-7-19.docx

Matt Neumann's company: Sunvest. Matt Neumann will be attending.

New Berlin School District: First entity to sign and execute a contract. Joe Garza is attending and giving brief remarks. Construction staging has already started.

Kevin Fletcher, President and CEO of WEC Energy Group, will kick things off and be introducing Mike.

Media advisory attached.

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**From:** LaRowe, Christopher W  
**Sent:** Friday, June 07, 2019 10:21 AM  
**To:** Garrett.Huffman@legis.wisconsin.gov  
**Subject:** INVITE: Solar Now Ribbon Cutting

**WHAT:** Ribbon Cutting for 1<sup>st</sup> We Energies Solar Now Project  
**WHEN:** June 13, 2019, 9:30 AM  
**WHERE:** New Berlin Eisenhower High School, 4333 S Sunny Slope Rd, New Berlin, WI 53151

Scheduled Ribbon Cutting for We Energies first rooftop solar, Solar Now project. Ceremonial kick-off to the construction of the first rooftop solar project under the innovative We Energies Solar Now program. We Energies and the School District of New Berlin School will cut the ribbon on the new project. Press will be invited.

### **Solar Now:**

- Focuses on customers who want solar at their workplace/school/facility
- Initially designed to accommodate school districts
- Allows customer to receive fixed leased payment for hosting solar facilities
- Customer can elect to retain renewable attributes (RECs)
- Limit of 35 MW
  - At least 10 MW reserved for non-profit entities
- Eligibility
  - Each solar facility capped at the lower of:
    - 2.25 MW; or
    - The host customer's firm load
- Produces customer benefit immediately
- Anticipated Customer Benefit over 20 years
  - Approximately \$ 450,000 per installed MW

**Invited:**

- Governor Evers (invited speaker)
- Lt. Governor Barnes (invited speaker)
- Rep. Mike Kuglitsch (R), (invited speaker)
- Rep. Joe Sanfelippo (R),
- Sen. Dave Craig (R)
- Sen. Dale Kooyenga (R)
- PSCW Commissioners Valcq, Nowak and Huebsch (invited speakers)
- New Berlin Mayor David Ament
- New Berlin Superintendent Joe Garza (invited speaker)
- County Executive Paul Farrow



## Huffman, Garrett

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**From:** LaRowe, Christopher W <christopher.larowe@wecenergygroup.com>  
**Sent:** Tuesday, June 11, 2019 3:55 PM  
**To:** Huffman, Garrett  
**Subject:** FW: INVITE: Solar Now Ribbon Cutting

### Christopher W. LaRowe

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**To:** Garrett.Huffman@legis.wisconsin.gov  
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- New Berlin Superintendent Joe Garza (invited speaker)
- County Executive Paul Farrow

## Huffman, Garrett

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**From:** LaRowe, Christopher W <christopher.larowe@wecenergygroup.com>  
**Sent:** Thursday, May 16, 2019 9:28 AM  
**To:** LaRowe, Christopher W  
**Subject:** Student skills, renewable energy shine bright at 23rd annual Solar Olympics



### **Student skills, renewable energy knowledge shine bright at 23<sup>rd</sup> annual Solar Olympics**

**Oshkosh** – Sunlight provided a picturesque showcase for the innovative designs and outstanding science, engineering, technology and math skills at Wisconsin Public Service's (WPS) 23<sup>rd</sup> annual Solar Olympics, held Wednesday on the University of Wisconsin-Oshkosh campus. Approximately 150 students from 15 high schools in northeast and north central Wisconsin demonstrated their knowledge of solar energy throughout the event, using it to power small machines and inspire artistic designs in 14 separate competitions. In true Olympic tradition, the top three finishers in each competition received gold, silver and bronze medals at an awards ceremony this afternoon.



## Event results

Gold medal recipients include:

- Solar Car Race: Northland Lutheran High School
- Solar Car Design: Green Bay Southwest High School
- Solar Cooker: Green Bay Southwest High School
- Solar Water Heater: Valders High School
- Photovoltaic Innovation: Rhinelander High School
- Solar Building Design: Northland Lutheran High School
- Solar Essay: Green Bay Southwest High School
- Solar Advertising Campaign: Wausau West High School
- Solar T-shirt Design: Green Bay Southwest High School
- Solar Photography: Ashwaubenon High School
- Solar Sculpture: Valders High School
- Solar Jeopardy (Top Individual Scorer): Noah Schwartz, Green Bay Southwest High School
- Solar Jeopardy (Top Team Scorer): Green Bay Southwest High School

- Solar Art Challenge: Green Bay Southwest and Tomahawk High Schools (combined entry)

In the team competition, Green Bay Southwest High School took top honors, while Valders High School and Wausau West High School finished in second and third place, respectively.

### **Solar Olympics background**

Created in 1997, Solar Olympics provides high school students with a fun, interactive opportunity to showcase their knowledge of solar and other forms of renewable energy. The event is open to schools that participate in SolarWise for Schools, a unique program that provides renewable energy lessons to students and educational training for teachers at 90% of high schools in the WPS service area.

Photos from today's event can be found on the WPS [Facebook](#) and [Twitter](#) pages, or by searching the hashtag #WPSSolarOlympics.

Schools participating in this year's event were:

Ashwaubenon	Marinette	St. Thomas Aquinas Academy (Marinette)
Chilton	Mishicot	Tomahawk
Green Bay Southwest	Northland Lutheran (Kronenwetter)	Valders
Lakeland Union	Pembine	Wausau East
Marathon	Rhineland	Wausau West

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## Huffman, Garrett

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**From:** LaRowe, Christopher W <[christopher.larowe@wecenergygroup.com](mailto:christopher.larowe@wecenergygroup.com)>  
**Sent:** Wednesday, March 13, 2019 3:46 PM  
**To:** Huffman, Garrett  
**Subject:** RE: Wisconsin regulators to study electric vehicle future

If you and/or Mike would like a tour, I'm sure we can arrange for that to happen.

Chris LaRowe  
Wisconsin Government Affairs  
WEC Energy Group  
(608) 772-0840

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**From:** Huffman, Garrett <[Garrett.Huffman@legis.wisconsin.gov](mailto:Garrett.Huffman@legis.wisconsin.gov)>  
**Date:** Wednesday, Mar 13, 2019, 2:58 PM  
**To:** LaRowe, Christopher W <[christopher.larowe@wecenergygroup.com](mailto:christopher.larowe@wecenergygroup.com)>  
**Subject:** RE: Wisconsin regulators to study electric vehicle future

Very good and thanks for your help. Any chance at a tour?

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**From:** LaRowe, Christopher W <[christopher.larowe@wecenergygroup.com](mailto:christopher.larowe@wecenergygroup.com)>  
**Sent:** Wednesday, March 13, 2019 9:58 AM  
**To:** Huffman, Garrett <[Garrett.Huffman@legis.wisconsin.gov](mailto:Garrett.Huffman@legis.wisconsin.gov)>  
**Subject:** RE: Wisconsin regulators to study electric vehicle future

Let me check. WPS did recently become a partial owner of the Forward Wind Energy Center (wind farm in Dodge and Fond du Lac counties), but I'm not sure about a training facility.

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**From:** Huffman, Garrett [<mailto:Garrett.Huffman@legis.wisconsin.gov>]  
**Sent:** Tuesday, March 12, 2019 4:31 PM  
**To:** LaRowe, Christopher W  
**Subject:** RE: Wisconsin regulators to study electric vehicle future

Hey Chris,

I had a conversation with Invenergy today and was told that WPS purchased a wind training facility in Fond du Lac and that Invenergy still has staff at the site. Can you find me more info? It's the Forward Energy Wind Center. Is WPS training there? Are others training there?

I am researching what the 2 fastest growing careers in America (solar installer and wind turbine tech) need in Wisconsin to succeed. With all the wind and solar in the queue, will these companies be looking at WI labor to construct and connect these projects.

Anyway, that's the short of it and any help you can provide would be greatly appreciated. Thanks much!

Thanks

g

Garrett J. Huffman  
Research Assistant  
Office of Representative Mike Kuglitsch  
84<sup>th</sup> Assembly District  
(608)-267-5158

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## Huffman, Garrett

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**From:** LaRowe, Christopher W <christopher.larowe@wecenergygroup.com>  
**Sent:** Friday, February 22, 2019 11:29 AM  
**To:** Huffman, Garrett  
**Subject:** Wisconsin regulators to study electric vehicle future

Wisconsin utility regulators have launched a study of electric vehicles. The Public Service Commission on Thursday voted to open an investigation that will focus on customer expectations, legal questions and the role of regulators and utilities. "It's an exciting time, I think, in the automobile industry," said Commissioner Mike Huebsch. "It's somewhat akin to when the automobile was first invented." Huebsch and Chairwoman Ellen Nowak, the PSC's two Republican appointees, said they want to see if there are laws or regulations that could hinder the growth of the fast-growing technology. "We're not necessarily looking to add regulation here," Nowak said. "Sometimes the best thing we can do in government is to get out of the way ... and allow markets to flourish." Commission Rebecca Valcq, who will take over next month as chairwoman, said she also supports the investigation and wants the commission to do more of this kind of fact gathering.

As of 2018, Wisconsin had only about 2,600 registered electric vehicles, about 0.1 percent of all passenger vehicles, according to the Wisconsin Department of Transportation. But Bloomberg New Energy Finance predicts sales of electric vehicles will grow 30-fold in the next decade as prices fall to about the same level as internal combustion vehicles. According to the notice approved Thursday, the PSC will look at:

- Customer expectations, including the availability of vehicles, charging stations and utilities.
- Policies and standards for electric vehicle infrastructure, including the question of who is allowed to own and operate charging stations as well as how to pay for them.
- The impact electric vehicles will have on the electric grid and how differing state regulations might affect competition.

The state's electric utilities will automatically be included in the investigation. Other groups and individuals can apply to take part by filing a request to intervene in the next two weeks.

[https://lacossetribune.com/news/state-and-regional/wisconsin-regulators-to-study-electric-vehicle-future/article\\_eddf20a5-3a09-5ba7-9a16-d7c151b4e49b.html#tracking-source=home-the-latest](https://lacossetribune.com/news/state-and-regional/wisconsin-regulators-to-study-electric-vehicle-future/article_eddf20a5-3a09-5ba7-9a16-d7c151b4e49b.html#tracking-source=home-the-latest)

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**From:** LaRowe, Christopher W <christopher.larowe@wecenergygroup.com>  
**Sent:** Tuesday, February 19, 2019 2:44 PM  
**To:** Huffman, Garrett  
**Subject:** RE: We Energies - Energy for Tomorrow

Residential is as follows:

- For WPS, the tariff rate is 9.970 cents/kwh, but is further reduced by fuel credit (\$0.00175/kwh) and income tax credit (\$0.0025/kwh) – netting to 9.545 cents per kwh; and
- For WEPCO, tariff rate is 13.111 cents per kwh, with a net rate of 12.943 cents per kwh – reflecting fuel (\$0.00128/kwh) and tax credits (\$0.0004).

Commercial and Industrial is a little more complicated because they are a number of different rate structures you can elect to be on, so it depends on each customer.

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**From:** Huffman, Garrett [mailto:Garrett.Huffman@legis.wisconsin.gov]  
**Sent:** Monday, February 18, 2019 12:35 PM  
**To:** LaRowe, Christopher W  
**Subject:** RE: We Energies - Energy for Tomorrow

What is your residential kilowatt per hour? Commercial?

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**From:** LaRowe, Christopher W <christopher.larowe@wecenergygroup.com>  
**Sent:** Monday, February 18, 2019 11:24 AM  
**To:** Huffman, Garrett <Garrett.Huffman@legis.wisconsin.gov>  
**Subject:** We Energies - Energy for Tomorrow

FYI:

<https://www.we-energies.com/residential/acctoptions/eft.htm>

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## Huffman, Garrett

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**From:** LaRowe, Christopher W <christopher.larowe@wecenergygroup.com>  
**Sent:** Wednesday, January 09, 2019 2:31 PM  
**To:** Huffman, Garrett  
**Cc:** Haubrich, Joel M  
**Subject:** Solar Now Overview

**Solar Now** – Proposed Solar Hosting Program Solar Now, the proposed solar hosting program, is an offering to commercial and industrial customers who wish to host solar photovoltaic (PV) arrays on their property. The primary rationale for customer program participation being that some customers may rather host solar energy for the community rather than use and pay for renewable energy. The arrays would be owned and operated by We Energies, with all energy delivered to We Energies' distribution system. Effectively, the program would create a 35 megawatt (MW) distributed solar generator in We Energies' generation fleet.

The program is open to all commercial and industrial customers, but 10 MW will be reserved for government and non-profit customers. No individual hosted array will be greater than 2.25 MW.

Customers who wish to host one of the arrays would be paid a monthly lease payment by We Energies for the duration of the service agreement.

We Energies proposes to set the lease payment to the cost of new entry (CONE) for the Midcontinent Independent System Operator, Inc. (MISO) load zone two for the planning year that the lease takes effect. For reference, the CONE price for the 2019-2020 Local Resource Zone 2 (LRZ 2)2 is \$87,170/MW-year3, or \$7,264.17/MW month. The actual amount paid to customers would be the CONE price, times the size of the hosted array, times the MISO accredited capacity value for solar PV resources. This CONE value would be set upon signing the contract, and the host would receive the same equal monthly payments for hosting throughout the term of the contract.

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## Huffman, Garrett

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**From:** LaRowe, Christopher W <[christopher.larowe@wecenergygroup.com](mailto:christopher.larowe@wecenergygroup.com)>  
**Sent:** Wednesday, January 09, 2019 2:30 PM  
**To:** Huffman, Garrett  
**Cc:** Haubrich, Joel M  
**Subject:** Solar Now - Greenfield School District

We Energies contact:

Rich Stasik, Director of State Regulatory Affairs  
[richard.stasik@wecenergygroup.com](mailto:richard.stasik@wecenergygroup.com)  
414-221-3685

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(608) 772-0840 (cell)  
[Christopher.larowe@wecenergygroup.com](mailto:Christopher.larowe@wecenergygroup.com)

## Huffman, Garrett

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**From:** LaRowe, Christopher W <christopher.larowe@wecenergygroup.com>  
**Sent:** Monday, January 07, 2019 2:06 PM  
**To:** Rogowski, Jon; Huffman, Garrett  
**Subject:** MISO Generator Interconnection Queue

FYI – You can sort by state and by source (i.e. solar, wind etc.):

[https://www.misoenergy.org/planning/generator-interconnection/GI\\_Queue/](https://www.misoenergy.org/planning/generator-interconnection/GI_Queue/)

### **Christopher W. LaRowe**

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**From:** Haubrich, Joel M <joel.haubrich@wecenergygroup.com>  
**Sent:** Monday, April 08, 2019 3:54 PM  
**To:** LaRowe, Christopher W  
**Cc:** Haubrich, Joel M  
**Subject:** WEC UPDATE 4-8-2019  
**Attachments:** image004.emz



**UPDATE**

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## **WEC Energy Group Closes Presque Isle coal plant, 2 new smaller, cleaner gas power plants now operating**

Upper Michigan Energy Resources (UMERC) began commercial operation of A.J. Mihm Generating Station and F.D. Kuester Generating Station in the Upper Peninsula of Michigan March 31. The new natural gas-powered generating stations replace the energy from the company's coal-fueled Presque Isle Power Plant (PIPP) that was retired the same day.

"The new generating stations are good for our customers, and good for electric reliability throughout the U.P. and northern Wisconsin," said Kevin Fletcher, president and chief executive officer – WEC Energy Group.

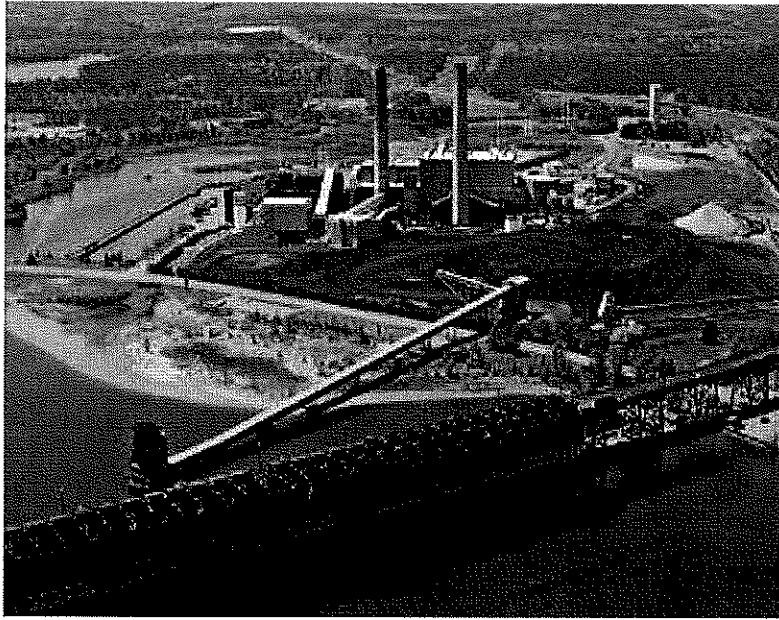
"Closure of the Presque Isle Power Plant also helps achieve our goal of reducing carbon dioxide emissions by 40 percent, well ahead of our 2030 target."

WEC Energy Group funded the \$275 million investment. Half of the investment will be recovered through a 20-year agreement with Cliffs Natural Resources. The other half will be recovered in retail electric rates.

The state-of-the-art generating stations are expected to save customers nearly \$600 million over the next 30 years. The new stations will eliminate the need for additional transmission capacity as well as upgrades that would have been needed at the aged Presque Isle coal plant if it had continued to operate.

PIPP's closure is part of WEC Energy Group's larger plan to reshape its generation fleet to balance reliability and customer cost with environmental stewardship. Plans for the future use of the retired

coal plant site will be developed as the company continues to evaluate potential uses for the property.



FILE- This June 2014 file photo shows the Presque Isle Power Plant, operated by We Energies, in Marquette, Mich. (Adelle Whitefoot/The Mining Journal via AP, File)

## Reshaping our Generation Fleet for a Clean, Reliable Future

Taken as a whole, changes to our generation fleet should reduce costs to customers, preserve fuel diversity and reduce carbon emissions.

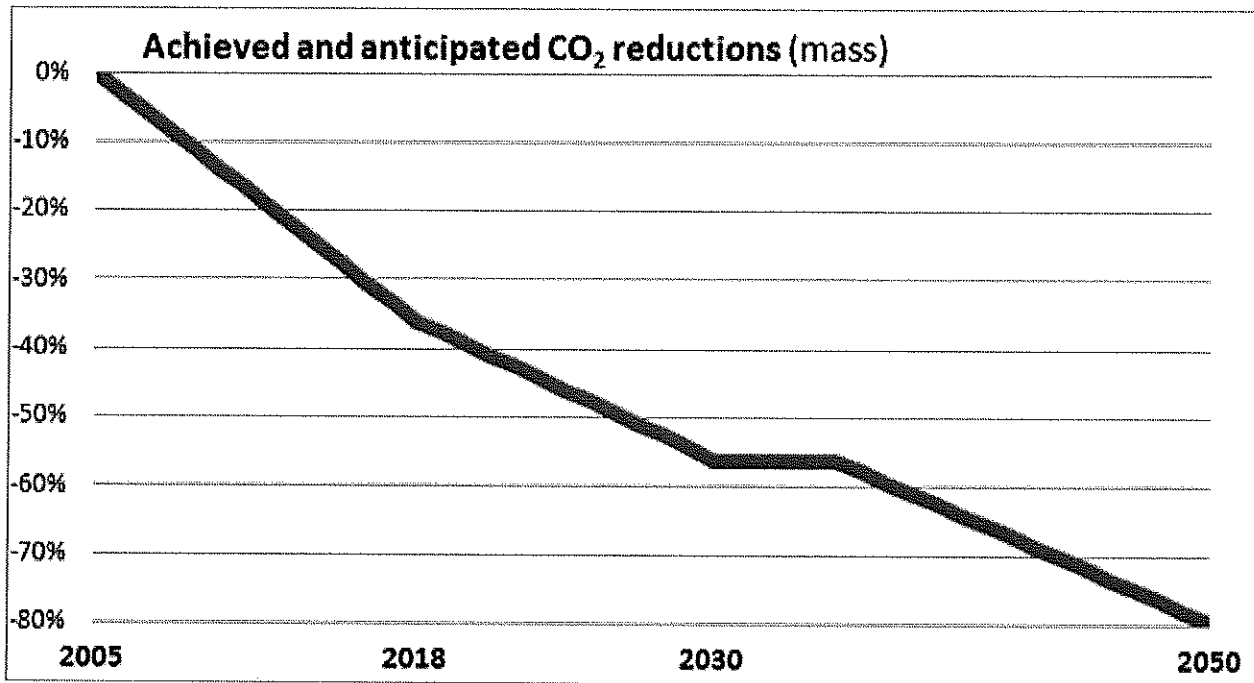
Reshaping our generation includes:

- Retiring older fossil-fueled generating units
- Building state-of-the-art natural gas generation
- Investing in cost-effective zero-carbon generation

We have set aggressive goals to reduce carbon dioxide emissions by approximately **40% below 2005 levels by 2030 and 80% by 2050.**

## Achieving Our Carbon Goal





**Reduction Goals:**

- 40% below 2005 levels by 2030
- 80% below 2005 levels by 2050

If you further questions do not hesitate to call either Chris LaRowe at (608) 283-3011 or Joel Haubrich (414) 221-4102.



**From:** LaRowe, Christopher W <christopher.larowe@wecenergygroup.com>  
**Sent:** Wednesday, June 19, 2019 11:44 AM  
**To:** Huffman, Garrett  
**Subject:** Solar Now in JS

## **A first-of-its-kind project in New Berlin is turning school roofs into solar energy collectors**

Bob Dohr, Milwaukee Journal Sentinel Published 11:15 a.m. CT June 19, 2019

The School District of New Berlin is getting into the solar energy game. And not in a small way. The district is partnering with We Energies and a local solar company to install more than 8,000 solar panels at three schools this summer. It's the first project under We Energies' new Solar Now program, an initiative to create 35 megawatts of clean, renewable energy that will benefit all the utility's customers. The pilot program was approved by the Public Service Commission of Wisconsin. The New Berlin project will produce more than 2 MW of power. It will involve installing roof-mounted solar panels at three schools: Ronald Reagan Elementary, Eisenhower Middle/High School and West High School. Ronald Reagan will also have a ground-mounted array on vacant property south of the school. Installation has already begun at Eisenhower. On Tuesday, June 18, crews from Current Electric Co. in Brookfield were working to install panels on one section of the school's roof. When complete, the topside of Eisenhower will boast more than 1,800 modules.

### **How it works**

Under the Solar Now program, We Energies will pay the New Berlin School District to host the solar panels. In return, the utility will pay the district an estimated \$94,500 a year for the next 20 years. The district will have some costs down the road, said District Communications Coordinator David Cotey. For example, when roofs need to be repaired or replaced due to wear and tear or life expectancy, there will be a cost to decommission, disassemble and reassemble the roof-mounted solar components. Those projected costs bring the estimated total revenue over 20 years to about \$1.5 million, Cotey said. The energy produced by the district's solar panels will go to the grid.

### **'Huge win'**

Rep. Mike Kuglitsch (R-New Berlin) said Solar Now is a way for commercial, industrial, government and nonprofit customers to host solar arrays and solar panels and get paid for it. "To me that was a huge win," Kuglitsch said in a We Energies video announcing the project. "And I want to commend both the school district and We Energies for working together. I guess you could call me the matchmaker." While the program is aimed at large commercial and government host customers, all We Energies customers will

benefit, according to the utility. The solar energy that is produced will help reduce fuel costs to all customers while maintaining fuel diversity and reducing carbon emissions. An additional benefit of the project, Kuglitsch said, is the learning opportunity it'll provide for students. He called it a "hidden gem."

## 'Very large project'

The energy generated by the New Berlin solar system will be enough to power about 400 homes, SunVest Solar CEO Matt Neumann said. "It will be from our knowledge the largest solar system installed on a school district in the state," he said. "It's a very large project." And a unique one, involving private industry, a utility and a public school district. "I think it's a neat, three-way partnership, and I think it's something that we're likely to see for years to come," Neumann said. Work on the rooftop systems should be done by the end of August with the ground array completed sometime in September, Neumann said.

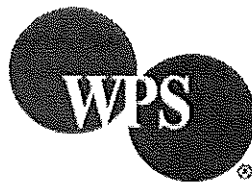
### **Christopher W. LaRowe**

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(608) 772-0840 (cell)  
[Christopher.larowe@wecenergygroup.com](mailto:Christopher.larowe@wecenergygroup.com)

**Huffman, Garrett**

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**From:** Haubrich, Joel M <joel.haubrich@wecenergygroup.com>  
**Sent:** Monday, June 17, 2019 4:08 PM  
**To:** LaRowe, Christopher W  
**Cc:** Haubrich, Joel M  
**Subject:** WEC UPDATE 06/17/2019



**UPDATE**

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## **We Energies kicks-off Solar Now**

NEW BERLIN, Wis. (CBS 58) – A new program is going to turn sunshine into solar power in New Berlin.

We Energies, the New Berlin School District and SunVest Solar Inc. are teaming up for the program called, Solar Now.

Through the program, **8,000** solar panels will be installed on three district buildings and vacant land. The panels will generate enough energy to power 400 homes, according to leaders at a press conference on Thursday.

The school district will essentially lease its roof space and land to We Energies, generating income.

"Those dollars are going to be reinvested back into our school district and opportunities for our students and even furthermore, it allows our students to actually learn more about solar energy and environmental education," New Berlin School District Superintendent Joe Garza said.

Construction has already started on some buildings. The goal is to have all of the solar panels installed by the beginning of the next school year.

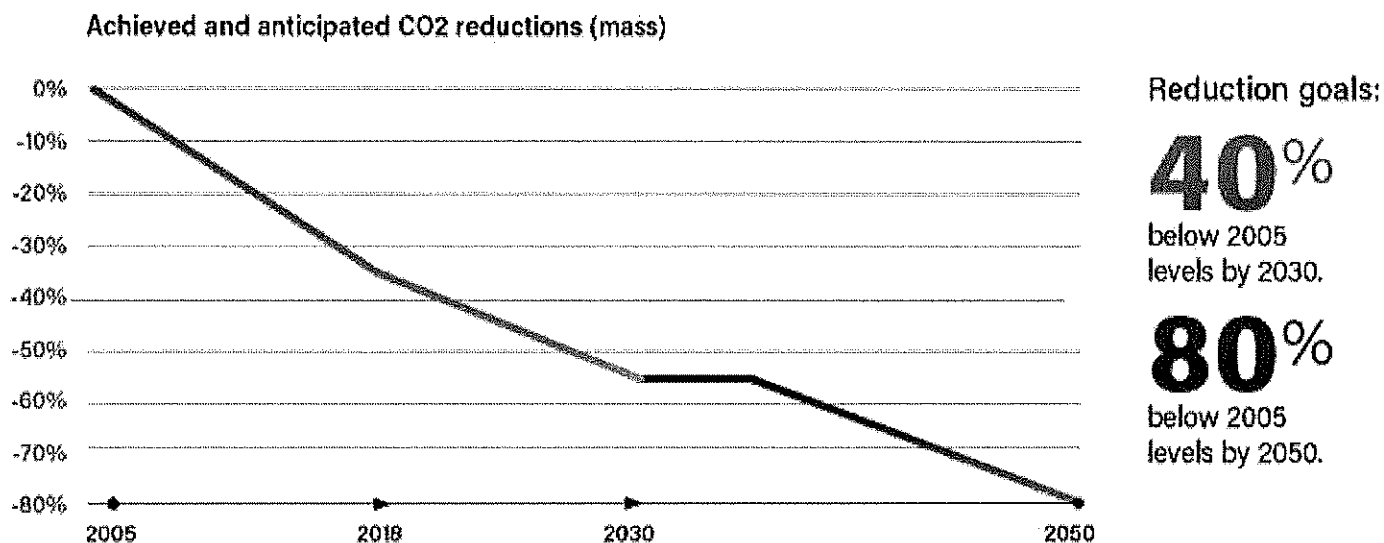
**[WATCH THE VIDEO HERE](#)**

## Supporting a Clean Energy Future

WEC Energy Group is committed to ensuring customers have the energy they need, operating in an environmentally responsible manner and making renewable energy a key part of our energy mix.

Our long-standing focus on environmental stewardship is fundamental to our obligation to deliver long-term value to customers and shareholders. We evaluate environmental impacts and environmental regulations, including regulation of greenhouse gas (GHG) emissions, in all facets of our strategic business planning.

Consideration of climate change is integral to our approach, and we have conducted scenario analyses to assess the strength of our strategy. We continue to reshape our portfolio of electric generation facilities and modernize our infrastructure to improve environmental performance. We are committed to reducing GHG emissions from our system while maintaining the reliability that is a cornerstone of our business model.



Over the past two decades, we have worked to reduce the role coal generation plays in our system. In place of coal, we have built state-of-the-art natural gas generation and invested in cost-effective zero-carbon generation. We expect to spend \$1 billion between 2019 and 2023 to increase the amount of renewable generation we deliver to our customers. Our largest electric utilities, We Energies and Wisconsin Public Service (WPS), met Wisconsin's renewable portfolio standard well in advance of the state deadline, and we intend to go further.

We offer options to electric customers who want to help strengthen the market for renewable energy. When our We Energies customers enroll in the Energy for Tomorrow® program at the 25%, 50% or 100% level, We Energies produces or purchases renewable energy to match that percentage of their electricity use. Energy for Tomorrow is Green-e certified and meets the environmental and consumer protection standards set forth by the nonprofit Center for Resource Solutions. The NatureWise® program at WPS similarly offers customers the opportunity to purchase specified amounts of electricity from renewable sources.

	<b>Actions taken: 2000-2018</b>	<b>Projects: 2019 and beyond</b>
<b>Coal</b>	<ul style="list-style-type: none"> <li>⊕ Retired or converted approximately 2,500 MW of coal-fueled generation</li> <li>⊕ Sold Milwaukee County Power Plant</li> </ul>	<ul style="list-style-type: none"> <li>⊕ Retired 350-MW Presque Isle Power Plant in 2019</li> </ul>
<b>Natural gas</b>	<ul style="list-style-type: none"> <li>⊕ Added 1,655 MW from highly efficient, less carbon-intensive, combined-cycle units</li> </ul>	<ul style="list-style-type: none"> <li>⊕ Added 180 MW of efficient natural gas generation</li> </ul>
<b>Renewables</b>	<ul style="list-style-type: none"> <li>⊕ Added 438 MW of wind generation</li> <li>⊕ Added new short-term purchase power agreements for 75 MW of wind generation</li> <li>⊕ Added 50 MW of biomass generation</li> </ul>	<ul style="list-style-type: none"> <li>⊕ Add 350 MW of utility-scale solar</li> <li>⊕ Add up to 185 MW in renewable pilot programs</li> </ul>

**If you have any questions do not hesitate to call either Chris LaRowe at (608) 283-3011 or Joel Haubrich (414) 221-4102.**





## Huffman, Garrett

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**From:** Haubrich, Joel M <joel.haubrich@wecenergygroup.com>  
**Sent:** Wednesday, May 22, 2019 1:57 PM  
**To:** 'Curt Witynski'; DISCH, KENT  
**Cc:** Czaja, Ashley; Huffman, Garrett; Tom Moore; LaRowe, Christopher W; Emerson, Andrew C.; VANDERSANDEN, SCOTT T.  
**Subject:** RE: Proposed Language

We are comfortable with the proposed change on *page 27, line 13-14, strike "specifically required" and replace with "authorized"*.

We appreciate the addition of an IOU rep on ROW study committee. Urban utilities have different issues than rural utilities and we all may have different issues than co-ops. As the largest user of the ROW we appreciate the seat at the table.

**Joel M. Haubrich**  
**WEC Energy Group**  
Milwaukee office: 414-221-4102  
Madison office: 608-283-3004  
mobile: 414-349-6186

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**From:** Curt Witynski [mailto:witynski@lwm-info.org]  
**Sent:** Wednesday, May 22, 2019 1:00 PM  
**To:** DISCH, KENT  
**Cc:** Czaja, Ashley; Huffman, Garrett; Tom Moore; Haubrich, Joel M; LaRowe, Christopher W; Emerson, Andrew C.; VANDERSANDEN, SCOTT T.  
**Subject:** Re: Proposed Language

Thanks Kent. I confirm this keeps us neutral. We appreciate the response to our concerns. Curt

Sent from my iPhone

On May 22, 2019, at 12:34 PM, DISCH, KENT <[kd073n@att.com](mailto:kd073n@att.com)> wrote:

Ashley and Garrett-

I know that Tom, Brenda, Curt and others have been working on a small change to the Cable language in Section 9 of the bill and the Study Committee.

Here is what we have come up with and I believe all parties have agreed to...

On page 27, line 13-14, strike "specifically required" and replace with "authorized".

On page 29, line 9-15 strike all and replace with:

8. Two representatives of the electric distribution community appointed jointly by the speaker of the assembly and the senate majority leader.

9. One representative of a cooperative association, appointed jointly by the speaker of the assembly and the senate majority leader.

This should keep all parties at neutral. Everyone on the cc list, please confirm.

Thanks!

Kent Disch  
Director of Legislative Affairs  
AT&T Services  
608-609-4561

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**Huffman, Garrett**

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**From:** LaRowe, Christopher W <christopher.larowe@wecenergygroup.com>  
**Sent:** Thursday, May 16, 2019 9:28 AM  
**To:** LaRowe, Christopher W  
**Subject:** Student skills, renewable energy shine bright at 23rd annual Solar Olympics



**Student skills, renewable energy knowledge shine bright at 23<sup>rd</sup> annual Solar Olympics**

**Oshkosh** – Sunlight provided a picturesque showcase for the innovative designs and outstanding science, engineering, technology and math skills at Wisconsin Public Service's (WPS) 23<sup>rd</sup> annual Solar Olympics, held Wednesday on the University of Wisconsin-Oshkosh campus. Approximately 150 students from 15 high schools in northeast and north central Wisconsin demonstrated their knowledge of solar energy throughout the event, using it to power small machines and inspire artistic designs in 14 separate competitions. In true Olympic tradition, the top three finishers in each competition received gold, silver and bronze medals at an awards ceremony this afternoon.



## Event results

Gold medal recipients include:

- Solar Car Race: Northland Lutheran High School
- Solar Car Design: Green Bay Southwest High School
- Solar Cooker: Green Bay Southwest High School
- Solar Water Heater: Valders High School
- Photovoltaic Innovation: Rhinelander High School
- Solar Building Design: Northland Lutheran High School
- Solar Essay: Green Bay Southwest High School
- Solar Advertising Campaign: Wausau West High School
- Solar T-shirt Design: Green Bay Southwest High School
- Solar Photography: Ashwaubenon High School
- Solar Sculpture: Valders High School
- Solar Jeopardy (Top Individual Scorer): Noah Schwartz, Green Bay Southwest High School
- Solar Jeopardy (Top Team Scorer): Green Bay Southwest High School

- Solar Art Challenge: Green Bay Southwest and Tomahawk High Schools (combined entry)

In the team competition, Green Bay Southwest High School took top honors, while Valders High School and Wausau West High School finished in second and third place, respectively.

### **Solar Olympics background**

Created in 1997, Solar Olympics provides high school students with a fun, interactive opportunity to showcase their knowledge of solar and other forms of renewable energy. The event is open to schools that participate in SolarWise for Schools, a unique program that provides renewable energy lessons to students and educational training for teachers at 90% of high schools in the WPS service area.

Photos from today's event can be found on the WPS [Facebook](#) and [Twitter](#) pages, or by searching the hashtag #WPSSolarOlympics.

Schools participating in this year's event were:

Ashwaubenon	Marinette	St. Thomas Aquinas Academy (Marinette)
Chilton	Mishicot	Tomahawk
Green Bay Southwest	Northland Lutheran (Kronenwetter)	Valders
Lakeland Union	Pembine	Wausau East
Marathon	Rhineland	Wausau West

### **Christopher W. LaRowe**

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